

Name: \_\_\_\_\_

## ET\_1021 version 20

Consider the *L*-system (and angle) defined below:

- Start: A

- Rules:

$$A > XX[B+BB+BB+BB+B]$$

$$X > XX$$

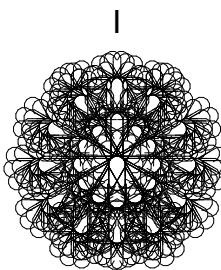
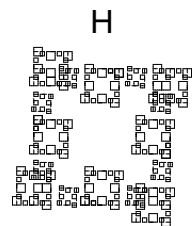
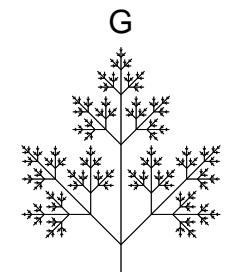
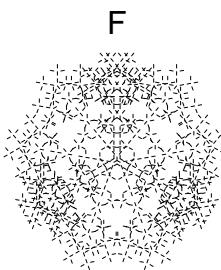
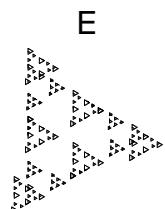
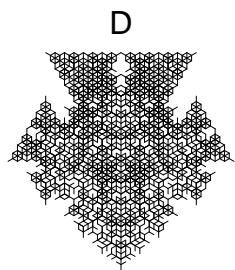
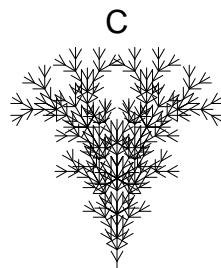
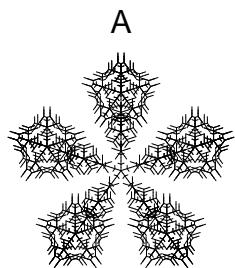
$$B > BA$$

- Number of recursions (number of iterations): 6

- Angle: 90°

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?

Consider the *L*-system (and angle) defined below:

- Start: [A]+[A]+[A]+[A]+[A]+[A]

- Rules:

$$A > AA[-B][+B]B$$

$$B > [-ABC][+ABC]$$

$$C > A[-CB][+CB]$$

- Number of recursions (number of iterations): 4

- Angle: 60°

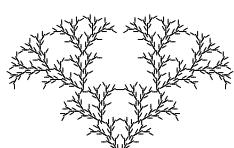
Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>

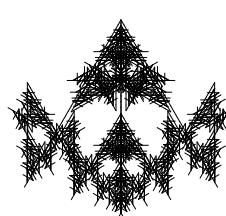
A



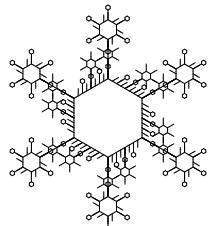
B



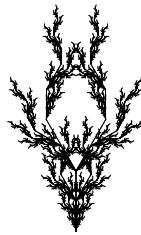
C



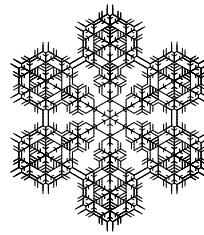
D



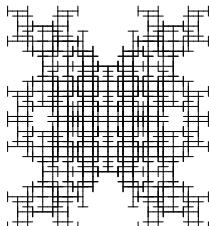
E



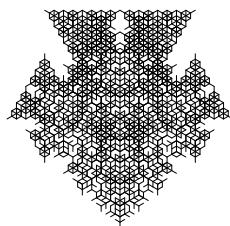
F



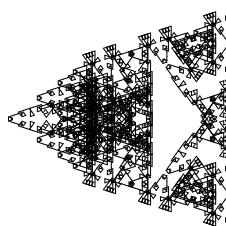
G



H



I



Which pattern is created?